

DOCKET NO.: MSFT-2830/191773.2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Brian Cabral, Marc Olano, Philip Nemec

Confirmation No.:

Application No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filing Date: Herewith

Examiner: Not Yet Assigned

For: REFLECTION SPACE IMAGE BASED RENDERING

EXPRESS MAIL LABEL NO: EV 325640325 US
DATE OF DEPOSIT: October 27, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the

mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

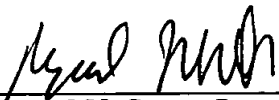
- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - ☒ Copies of references **1 thru 42** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/369,359**, filed **August 6, 1999**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: October 27, 2003



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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-2830/191773.2	Application No. Not Yet Assigned
		Applicant Brian Cabral, Marc Olano, Philip Nemec	
		Filing Date Herewith	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	1	Bastos, R. et al., "Increased Photorealism fir Interactive Architectural Walkthroughs", <i>Computer Graphics Proceedings-Annual Conference Series</i> , April 1999 , 183-190	
	2	Blinn, J.F. et al., "Texture and Reflection in Computer Generated Images", <i>Communications of the ACM</i> , October 1976 , 19(10), 542-547	
	3	Cabral, B. et al., "Bidirectional Reflection Functions from Surface Bump Maps", <i>Computer Graphics</i> , July 1987 , 21(4), 273-281	
	4	Cook, R.L. et al., "The Reyes Image Rendering Architecture", <i>Computer Graphics</i> , July 1987 , 21(4), 95-102	
	5	Debevec, P.E. et al., "Recovering High Dynamic Range Radiance Maps from Photographs", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1997 , 369-378	
	6	Debevec, P. "Rendering Synthetic Objects into Real Scenes: Bridging Traditional and Image-based Graphics with Global Illumination and High Dynamic Range Photography", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1998 , 189-198	
	7	Gershbein, R. et al., "Textures and Radiosity: Controlling Emission and Reflection with Texture Maps", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1994 , 51-58	
	8	Gondek, J.S. et al., "Wavelength Dependant Reflectance Functions", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1994 , 213-220	
	9	Gortler, S. J. et al, "The Lumigraph", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1996 , 43-54	
	10	He, X.D. et al., "A Comprehensive Physical Model for Light Reflection", <i>Computer Graphics</i> , July 1991 , 25(4), 175-186	
EXAMINER		DATE CONSIDERED	

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		Filing Date Herewith	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	11	Imel, D.S. et al., "A Radiosity Method for Non-Diffuse Environments", <i>Computer Graphics</i> , 1986, 20(4), 133-142	
	12	Jensen, H.W. et al., "Efficient Simulation of Light Transport in Scenes with Participating Media Using Photon Maps", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1998, 311-320	
	13	Kajiya, J.T., "The Rendering Equation", <i>ACM SIGGRAPH</i> , 1986, 20(4), 143-150	
	14	Levoy, M. et al., "Light Field Rendering", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1999, 31-42	
	15	McMillan, L. et al., "Plenoptic Modeling: An Image-Based Rendering System", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1995, 39-46	
	16	Miller, G.S. et al., "Illumination and Reflection Maps: Simulated Objects in Simulated and Real Environments", <i>Course Notes for Advances Computer Graphics Animation SIGGRAPH</i> , July 23, 1984, 84, 13 pages	
	17	Poulin, P. et al., "A Model for Anisotropic Reflection", <i>Computer Graphics</i> , August 1990, 24(4), 273-282	
	18	Seitz, S.M. et al., "View Morphing", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1997, 63-76	
	19	Voorhies, D. et al., "Reflection Vector Shading Hardware", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1994, 163-166	
	20	Ward, G.J. "The RADIANCE Lightning Simulation and Rendering System", <i>Computer Graphics Proceedings, Annual Conference Series</i> , 1994, 459-472	
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	21	6,215,496 B1	04/10/01	Szeliski, et al.	345	419	
	22	5,710,876	01/20/98	Peercy, et al.	345	426	
	23	5,831,620	11/03/98	Kichury, Jr., John J.	345	419	
	24	5,963,213	10/05/99	Guedalia, et al.	345	427	
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	26	6,384,824	05/07/02	Morgan, et al.	345	426	
	27	5,396,583	03/07/95	Chen, et al.	345	427	
	28	5,923,334	07/13/99	Luken, William Louis	345	423	
	29	5,748,194	05/05/98	Chen, Shenchang Eric	345	427	
	30	5,949,430	09/07/99	Robertson, et al.	345	619	
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Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
EXAMINER				DATE CONSIDERED			

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U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	31	6,236,405	05/22/01	Schilling, et al.	345	582	
	32	5,704,024	12/30/97	Voorhies, et al.	345	426	
	33	6,011,558	01/04/00	Hsieh, et al.	345	629	
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	42	6,097,854	08/01/00	Szeliski, et al.	382	284	
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					YES	NO	
EXAMINER				DATE CONSIDERED			